

GenCore version 5.1.8
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OM nucleic - nucleic search, using sw model

Run on: May 6, 2006, 13:51:57 ; Search time 788 Seconds

(without alignments)
 585.563 Million cell updates/sec

Title: US-10-666-851-1

Perfect score: 2602
 Sequence: 1 gatctgcggggactgcccc.....gaagtagttctaaaaaa 2602

Scoring table: IDENTITY NUC
 Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqb, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents NN,*

1: /cggn2_6/prodata/1/ina/1.COMB.seq: *
 2: /cggn2_6/prodata/1/ina/5_COMB.seq: *
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 5: /cggn2_6/prodata/1/ina/H_COMB.seq: *
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 7: /cggn2_6/prodata/1/ina/RB_COMB.seq: *
 8: /cggn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	
1	2534.8	97.4	4500	3 US-09-087-031B-27	
2	2465.4	94.8	4469	3 US-09-0949-016-428	
3	2302.8	88.5	4245	3 US-09-0531-16	
4	1803.8	69.3	2078	3 US-09-087-031E-1	
5	1878.7	68.7	2075	3 US-09-087-031B-2	
6	1787.8	68.7	2075	3 US-09-0546-043-1	
7	1787.8	68.7	2075	3 US-09-0546-043-1	
8	1621.6	62.3	3360	3 US-09-0949-016-3312	
9	1621.6	62.3	7360	3 US-09-0949-016-15054	
10	1076.2	41.4	1308	3 US-09-0937-067-18	
11	912.6	35.1	942	3 US-09-0546-043-2	
12	909.6	35.0	1017	3 US-09-0546-043-9	
13	697	26.8	804	3 US-09-0546-043-12	
14	634	24.4	741	3 US-09-0546-043-11	
15	603.2	23.2	2124	3 US-09-087-031B-26	
C	16	597.4	23.0	601	3 US-09-0949-016-6352
C	17	597.4	23.0	601	3 US-09-0949-016-6353
C	18	597.4	23.0	601	3 US-09-0949-016-119368
C	19	597.4	23.0	601	3 US-09-0949-016-119369
C	20	481.6	18.5	588	3 US-09-0546-043-10
C	21	444	17.1	690	3 US-09-0546-043-13
C	22	411	15.8	601	3 US-09-0949-016-6354
C	23	15.8	601	3 US-09-0949-016-119370	
C	24	401.2	15.4	US-09-0949-016-429	

Length:	SEQ ID NO:	SEQUENCE
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4500	428	US-09-0949-016-428
4500	16	US-09-0531-16
4500	Appl1	US-09-087-031E-1
4500	Appl1	US-09-087-031B-2
4500	Appl1	US-09-0546-043-1
4500	Appl1	US-09-0546-043-1
4500	Appl1	US-09-0546-043-1
4500	Appl1	US-09-0949-016-3312
4500	Appl1	US-09-0949-016-15054
4500	Appl1	US-09-087-031B-26
4500	Appl1	US-09-0949-016-6352
4500	Appl1	US-09-0949-016-6353
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4500	Appl1	US-09-0949-016-6354
4500	Appl1	US-09-0949-016-119370
4500	Appl1	US-09-0949-016-429

Length:	SEQ ID NO:	SEQUENCE
4500	27	US-09-087-031B-27
4500	428	US-09-0949-016-428
4500	16	US-09-0531-16
4500	Appl1	US-09-087-031E-1
4500	Appl1	US-09-087-031B-2
4500	Appl1	US-09-0546-043-1
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4500	Appl1	US-09-0546-043-13
4500	Appl1	US-09-0949-016-6354
4500	Appl1	US-09-0949-016-119370
4500	Appl1	US-09-0949-016-429

Db	Qy	Db	Qy
460	TCGGCCGTRACAGAGGCCGCTTACACCAAGCACCCTACTGCCTGAGCACCCCC 519	1386	AGCCACTAACACAAGGGGATGGCGGAAGTGAGGCCAGCAGCAGAAACTAC 145
305	GGGGCTGGCTGGCCACACCTGGGCTACAGAAGATGTTGCTGCGCAACCTGTTG 365	1580	AGCCACTAACACAAGGGGATGGCGGAAGTGAGGCCAGCAGCAGAAACTAC 1639
520	GGGGCTGGCTGGCCACACCTGGGCTACAGAAGATGTTGCTGCGCAACCTGTTG 579	1446	ATTTCGAACTTGTGGTGGCATATGGTGTGCTGCTGCTGCTGCTGCTGCTG 1505
366	ACGAGGACCTGGGAGGTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 425	1640	ATTTCGAACTTGTGGTGGCATATGGTGTGCTGCTGCTGCTGCTGCTGCTG 1699
580	ACGAGGACCTGGGAGGTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 6339	1506	TAATGATGGGAGTGGCTGGTGGCTGAGGAGTGGCTGAGTGGCTGAGGAGGAG 1565
426	AAGACTGCCACCGGCRCCGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 485	640	AGAACTCCACGCCGACCCGGCTGGCTGGCTGAGGAGGAGGAGGAGGAGGAGG 699
640	AGAACTCCACGCCGACCCGGCTGGCTGGCTGAGGAGGAGGAGGAGGAGGAGG 699	486	ACGGSCCATATACCGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 545
700	ACGGSCCATATACCGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 759	700	ACGGSCCATATACCGCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTG 759
545	TGATCGAGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 619	820	GGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 619
760	TGATCGAGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 605	606	GGGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 655
940	GGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 940	940	GGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 879
880	CAAGGGTGTCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 725	726	GGCCAGGAGTTTGCACTGAGGATGAAATAAGAGTGAAGAAGAAATGGGACA 999
726	GGCCAGGAGTTTGCACTGAGGATGAAATAAGAGTGAAGAAGAAATGGGACA 999	786	AGGAGATGTCCTCAAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 845
1000	AGAGATGTCCTCAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1000	946	TGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1059
846	TGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1059	1060	TGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 905
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906	ACCTGAGGCACTTCCTCATCTATGGGCCCAAGTGAGGAGGAGGAGGAGGAG 906	1119	ACATGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1119
1120	ACCTAGCCACACTCTCTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1120	965	TGGTGAAGGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1179
966	CCATCCACAGTGGCAAGAAACAGAGGTTCAAACCTCTGAGAAGAAATGAAA 966	Db	1986
1180	CCATCCACAGTGGCAAGAAACAGAGGTTCAAACCTCTGAGAAGAAATGAAA 1180	Db	ACGACGCGATTTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2045
1026	ACCATGAGTGGCCACCTTCAGTCGTTTAAGTGTCTCCGGGGCAGGAAATC 1026	2180	TGGTGAAGGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2179
1240	ACCATGAGTGGCCACCTTCAGTCGTTTAAGTGTCTCCGGGGCAGGAAATC 1085	Qy	TGGTGAAGGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2045
1086	TGCGATATCCAGATGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1086	Qy	2046
1295	-----TGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1295	Db	ATGACAAACCCACTTTCAGGTTAACGTTAACACGTTACATTAAAGAC 2239
1146	CCCGGAACCCGGGGGGTACACACGACACTGCGCTCTCGAGTGTGAGTGTG 1146	Db	2240
1340	CCGGAAACCCGGGGGGTACACACGACACTGCGCTCTCGAGTGTGAGTGTG 1340	Db	ATGACAAACCCACTTTCAGGTTAACGTTAACACGTTACATTAAAGAC 2105
1206	ACTGGCTGTTCTGAGCATTCCTCCCTCTCCCTCCCTCCCTCCCTCCCTCC 1206	Db	2240
1400	ACTGGCTGTTCTGAGCATTCCTCCCTCTCCCTCCCTCCCTCCCTCCCTCC 1400	Db	ATGACAAACCCACTTTCAGGTTAACGTTAACACGTTACATTAAAGAC 2299
1266	AGGGAGCCGGGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1266	Qy	2106
1460	AGGGAGCCGGGGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1460	Db	GGTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2155
Qy	1326	Qy	2300
1520	CAATGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1520	Qy	GGTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2359
Db	1579	Db	2155
2226	CCTGAGAGTCTCCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCT 2226	Qy	2155
2480	CGTGTGCTCTCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2480	Db	GGTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2419
2346	AAATTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2346	Qy	2346
2540	AAATTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2540	Db	GGTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2405
2406	AGATGAAAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2406	Qy	2406
2600	AGATGAAAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2600	Db	GGTGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2465

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RESULT 2
US-09-949-016-428
; Sequence 428, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASES, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIORITY NUMBER: 60/1237,768
; PRIORITY FILING DATE: 2000-10-03
; PRIORITY APPLICATION NUMBER: 60/231,498
; PRIORITY FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 428
; LENGTH: 4469
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-428

Query Match          94.8%; Score 2655.4; DB 3; Length 4469;
Best Local Similarity 98.3%; Pred. No. 0; Mismatches 16; Indels 28; Gaps 5;
Matches 2553; Conservative 0;

QY 6 GCTGGGAACTGGCCCTTGTCCCCGAGGTCCGGAGACGGCG 65
Db 190 GCTGGGAACTGGCCCTTGTCCCCGAGGTCCGGAGACGGCG 249
Qy 66 GGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 125
Db 250 GGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 309
Db 126 TCGGGGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 185
Db 310 TCGGGGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 366
Qy 186 CGCGCTTCGGCGCGTGAGCTCGCCAGGGAGTAGACTAGTG 245
Db 367 CGCGCTTCGGCGCGTGAGCTCGCCAGGGAGTAGACTAGTG 426
Qy 246 TGGCCCTTACCGAGGGGGGGCTTACCAAGGCCACTCTAGTG 305
Db 427 TGGCCCTTACCGAGGGGGGGCTTACCAAGGCCACTCTAGTG 486
Db 306 CGGACCTGGGGCTTGCCACACCTGGCTACAGAGATGGTG 365
Db 487 CGGACCTGGGGCTTGCCACACCTGGCTACAGAGATGGTG 546
Qy 366 AGCAGGAGGACATGGGGAGGTGAAGGAGGGGGGGGGGGGG 425
Db 547 AGCAGGAGGACATGGGGAGGTGAAGGAGGGGGGGGGGGGG 606
Qy 426 AGAACTGCACGGGGCACCGAGCTCTCTCTGAGCTGCTCTG 485
Db 607 AGAACTGCACGGGGCACCGAGCTCTCTGAGCTGCTCTG 666

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On May 8 12:01:04 2006

QY 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 60
 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 59
 QY 61 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 120
 Db 60 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 119
 QY 121 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 180
 Db 120 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 179
 QY 181 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 240
 Db 180 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 239
 QY 241 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 300
 Db 240 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 299
 QY 301 MKNHRCPTOSVFK 314
 Db 300 MKNHRCPTOSVFK 313

RESULT 5
 US-09-546-043-4

; Sequence 4, Application US/09546043
 ; Patent No. 647955

RESULT 6
 US-09-087-031B-3
 ; Sequence 3, Application US/09087031B
 ; Patent No. 647955
 ; GENERAL INFORMATION:
 ; APPLICANT: Rubin, Jeffrey S.
 ; APPLICANT: Finch, Paul
 ; APPLICANT: Aaronson, Stuart
 ; APPLICANT: He, X1
 ; TITLE OF INVENTION: HUMAN FRP AND FRAGMENTS THEREOF INCLUDING METHODS FOR USING THEM
 ; FILE REFERENCE: 1163.13US1
 ; CURRENT APPLICATION NUMBER: US/09/087, 031B
 ; CURRENT FILING DATE: 1998-05-29
 ; PRIOR APPLICATION NUMBER: 09/087, 031
 ; PRIOR FILING DATE: 1998-05-29
 ; PRIOR APPLICATION NUMBER: 60/050, 417
 ; PRIOR FILING DATE: 1997-06-23
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 314
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-087-031B-3

Query Match 95.5%; Score 1629; DB 2; Length 314;

Best Local Similarity 96.5%; Pred. No. 1.9e-166; Matches 303; Conservative 0; Mismatches 11; Indels 0; Gap 0;

QY 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 60
 Db 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 60
 QY 61 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 120
 Db 61 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 120
 QY 121 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 180
 Db 121 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 180
 QY 181 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 240
 Db 181 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 239
 QY 241 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 300
 Db 240 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 299
 QY 301 MKNHRCPTOSVFK 314
 Db 301 MKNHRCPTOSVFK 313

RESULT 7
 US-09-087-031B-4

; Sequence 4, Application US/09087031B
 ; Patent No. 647955
 ; GENERAL INFORMATION:
 ; APPLICANT: Rubin, Jeffrey S.
 ; APPLICANT: Finch, Paul
 ; APPLICANT: Aaronson, Stuart
 ; APPLICANT: He, X1
 ; TITLE OF INVENTION: HUMAN FRP AND FRAGMENTS THEREOF INCLUDING METHODS FOR USING THEM
 ; FILE REFERENCE: 1163.13US1
 ; CURRENT APPLICATION NUMBER: US/09/087, 031B
 ; CURRENT FILING DATE: 1998-05-29
 ; PRIOR APPLICATION NUMBER: 09/087, 031
 ; PRIOR FILING DATE: 1998-05-29
 ; PRIOR APPLICATION NUMBER: 60/050, 417
 ; PRIOR FILING DATE: 1997-06-23
 ; NUMBER OF SEQ ID NOS: 27

Query Match 97.2%; Score 1657.5; DB 2; Length 338;
 Best Local Similarity 97.5%; Pred. No. 1.8e-169; Matches 306; Conservative 1; Mismatches 6; Indels 1; Gaps 1;
 QY 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 60
 Db 1 MGIGSEGGERRGAALGVLLAAGALLAVGSSASEDYVSFSDGPIQSGRTPKPQCVD 59
 QY 61 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 120
 Db 60 IPADRLCHNGYKONLPLNLEHETMAEKQOASSWVPLNKCHAGTQVFLSPAV 119
 QY 121 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 180
 Db 120 CLDRPYPERWLCAVRDSCRPVMOPPGFPTWEMLKCDKEPREGUCIAMTPPNATEASKP 179
 QY 181 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 240
 Db 180 OGTTVCPCCDNELKSBAIEHLCASEPALMKIKEVKENGDKKLVKPKCKPLKGPIKK 239
 QY 241 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 300
 Db 240 KDLKCLVLVLYKNGACPCPHOLDNLSHHPLIMGKVKSQVLTIAHKWDKDNKEPKNMCK 299
 QY 301 MKNHRCPTOSVFK 314
 Db 300 MKNHRCPTOSVFK 313

REGISTRATION NUMBER: 33,943
REFERENCE/DOCKET NUMBER: 23647-20018.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 1308 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-937-067-18

Query Match	Score	DB	Length
Best Local Similarity	41.41;	0.0762;	3;
Matches	1108;	Pred. No.	5.7e-245;
Conservative	98.01;	Mismatches	3;
	0;	Indels	20;
		Gaps	1;

